



1/8

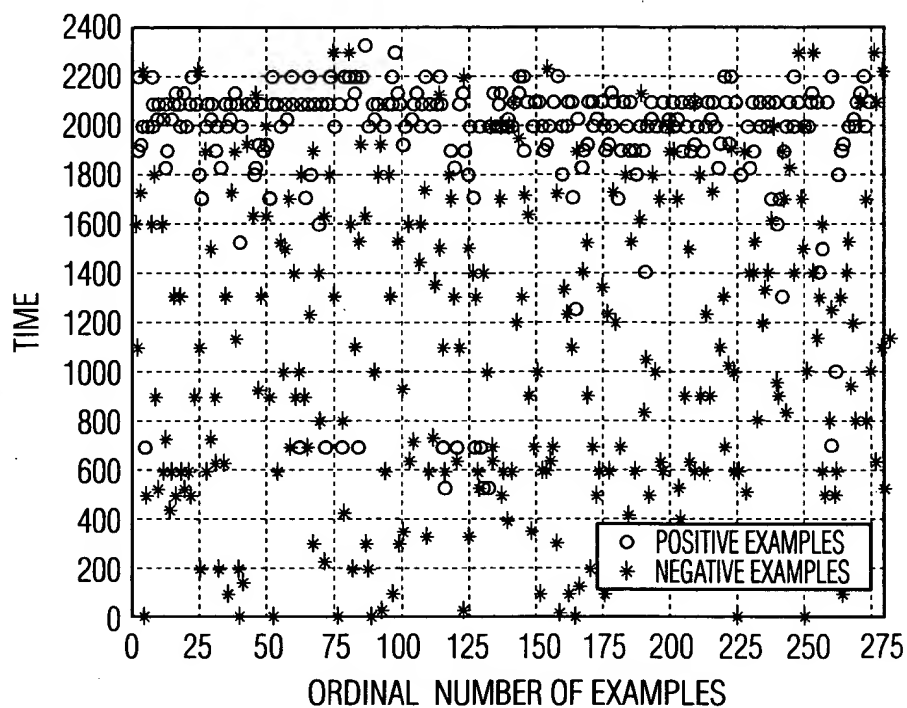


FIG. 1

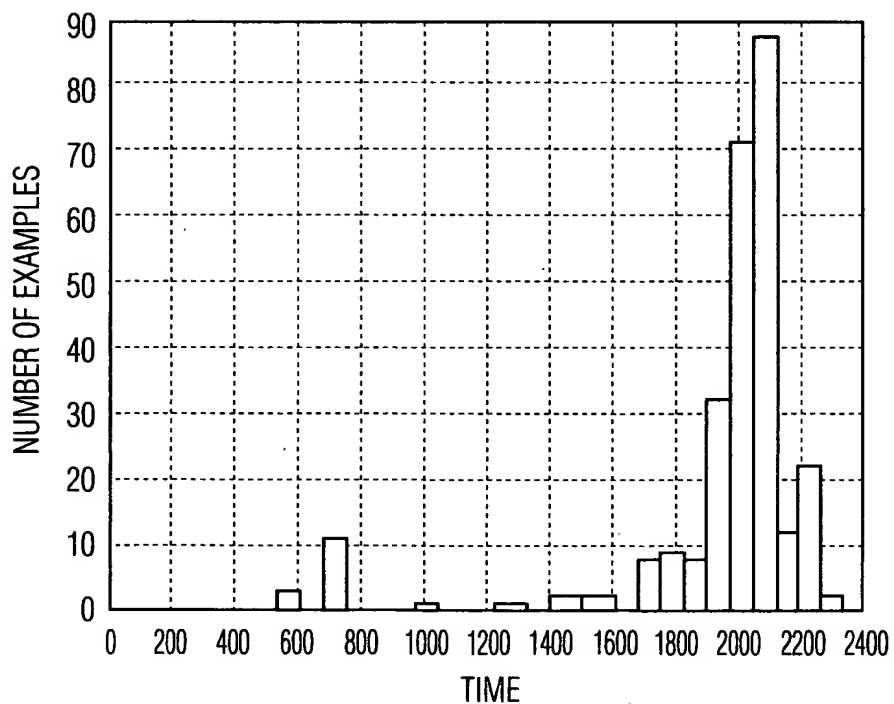


FIG. 2



2/8

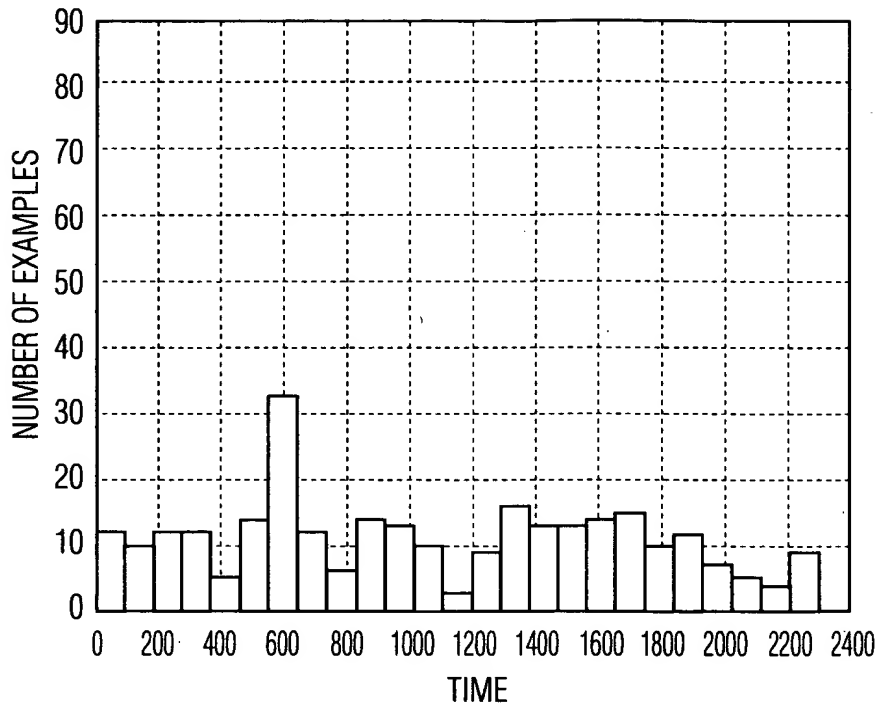


FIG. 3

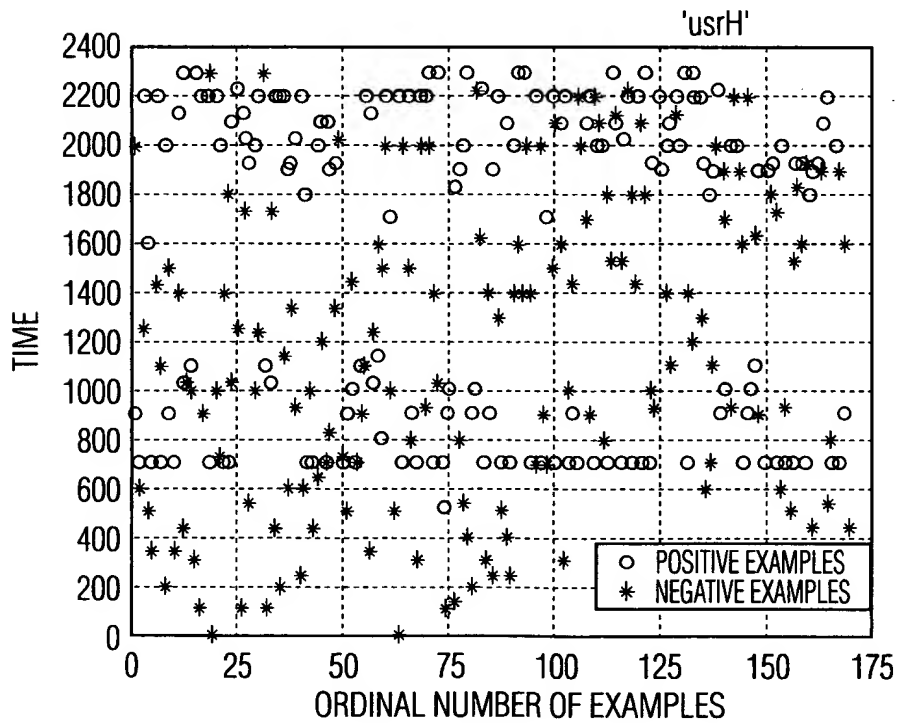


FIG. 4



3/8

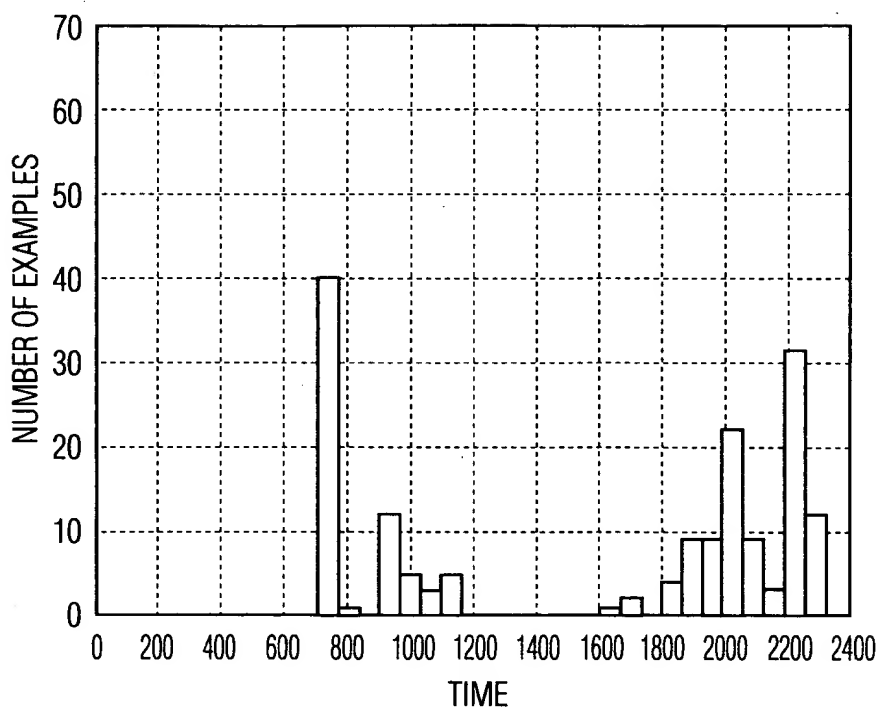


FIG. 5

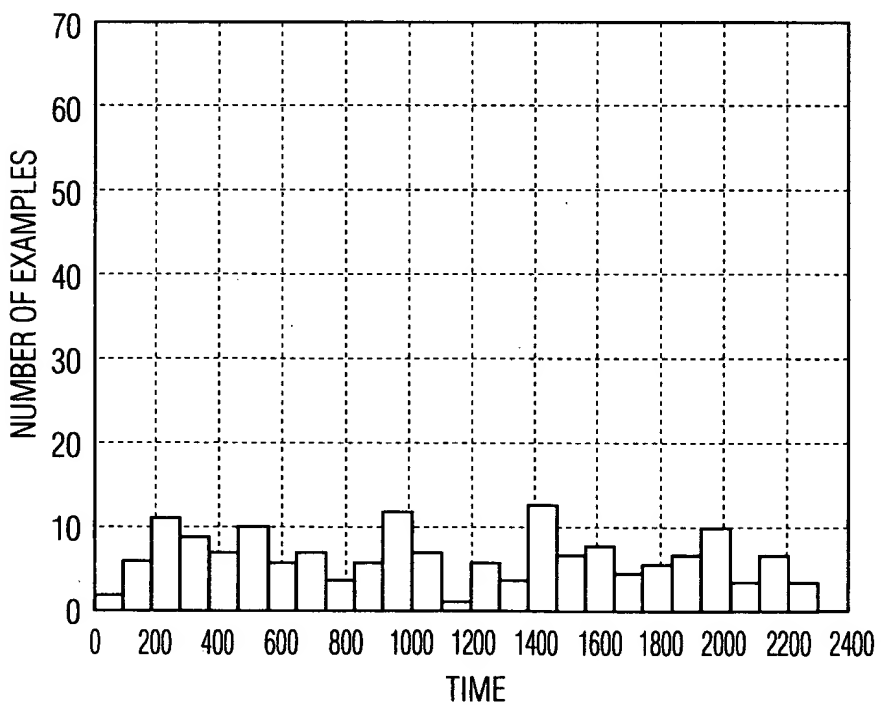
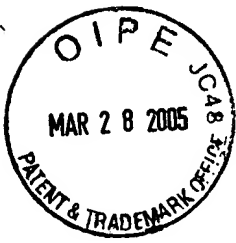


FIG. 6



4/8

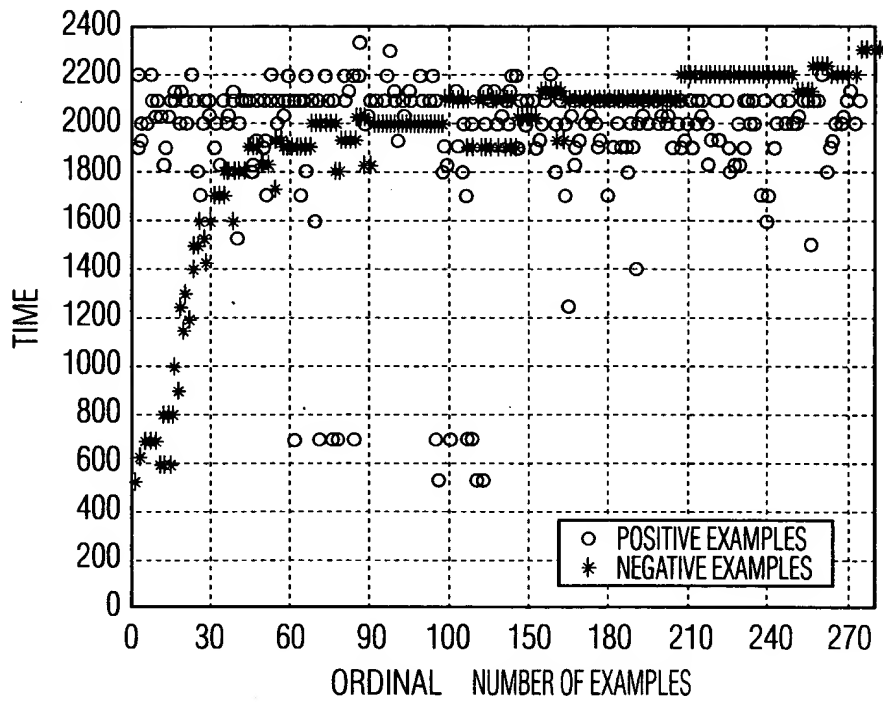


FIG. 7

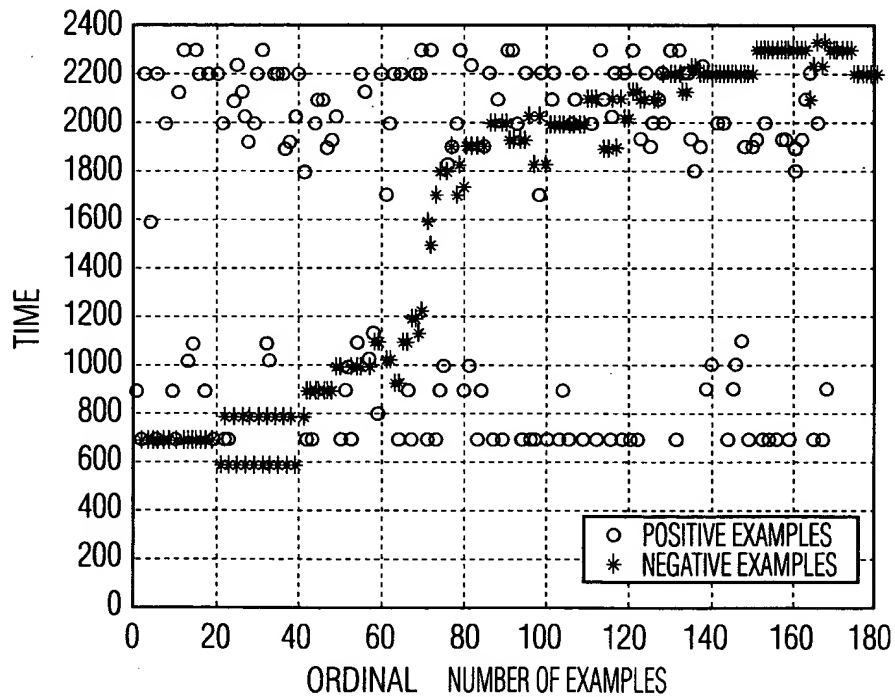


FIG. 8



5/8

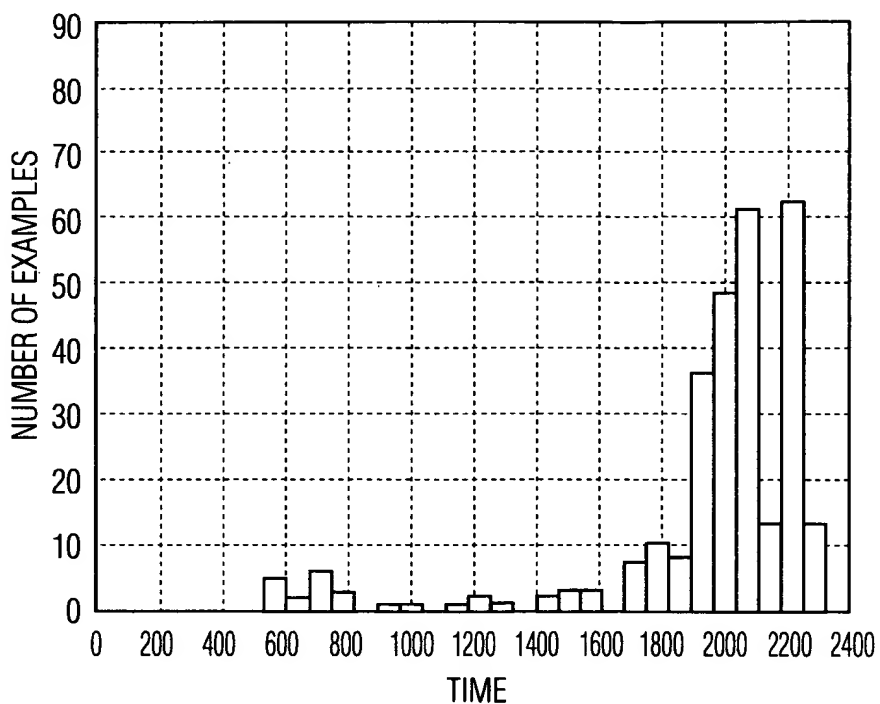


FIG. 9

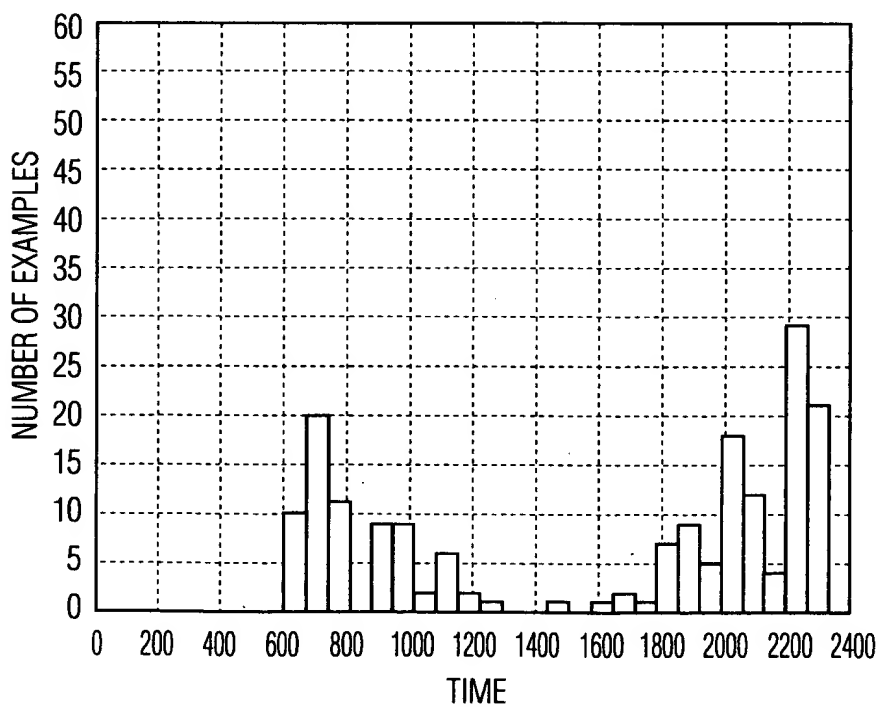


FIG. 10

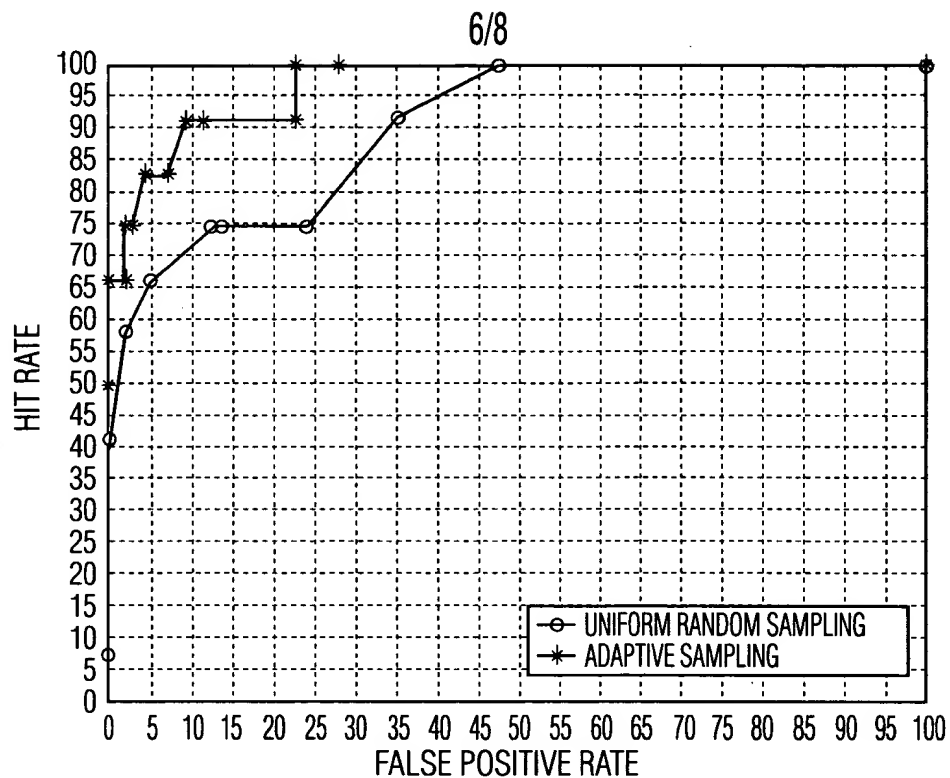


FIG. 11

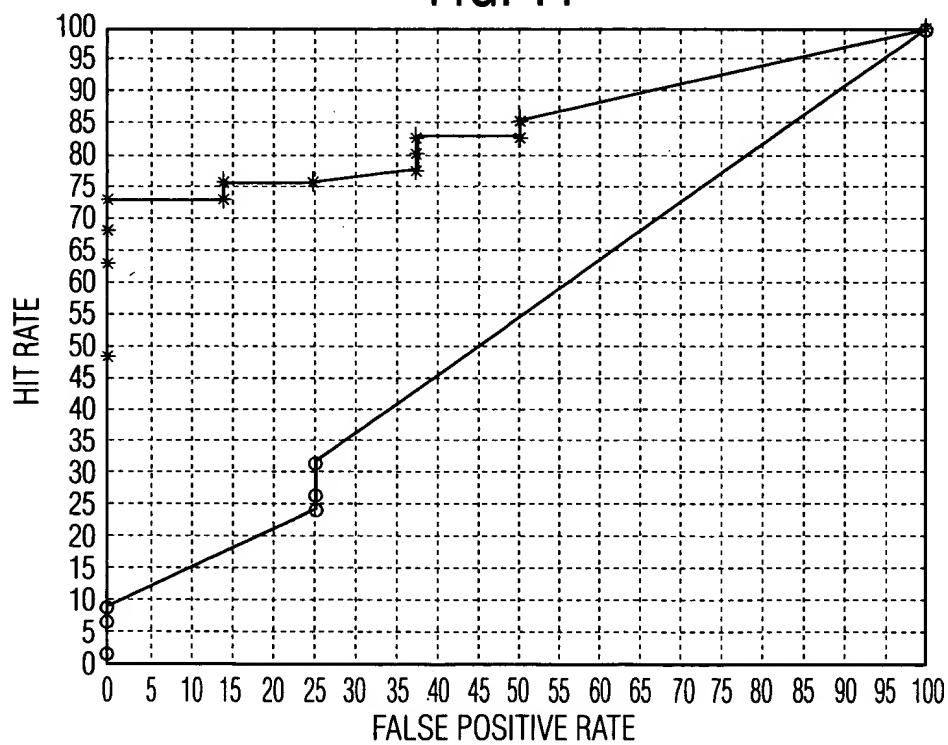


FIG. 12

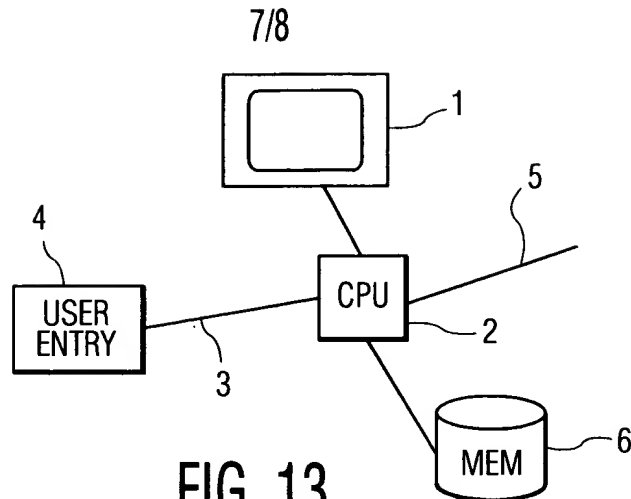


FIG. 13

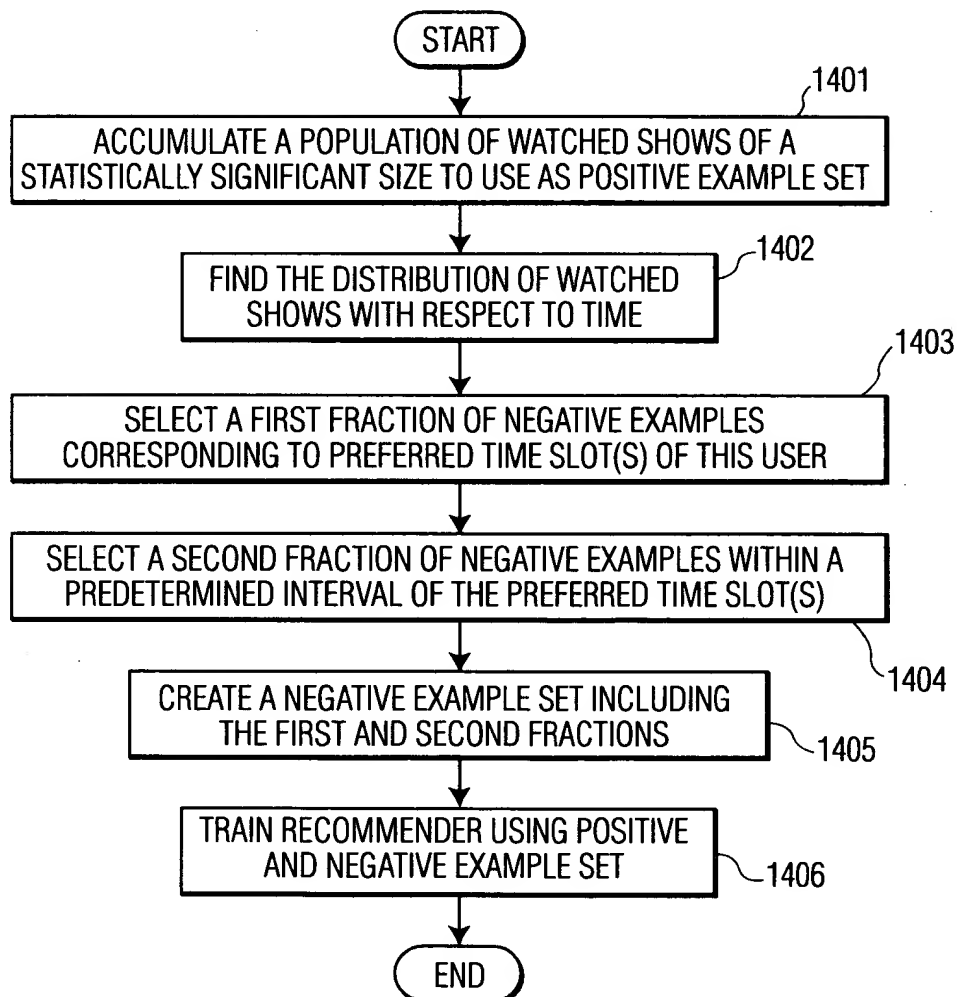
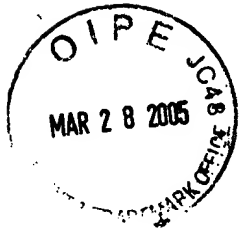


FIG. 14



8/8

|        | SYSTEM PREDICTION   |                     |
|--------|---------------------|---------------------|
| ACTUAL | YES                 | NO                  |
| YES    | TRUE POSITIVE (TP)  | FALSE NEGATIVE (FN) |
| NO     | FALSE POSITIVE (FP) | TRUE NEGATIVE (TN)  |

FIG. 15

| THRESHOLD RATE | NUMBER OF HITS | NUMBER OF FALSE NEGATIVES | NUMBER OF TRUE REJECTIONS | NUMBER OF FALSE POSITIVES | HIT RATE | FALSE POSITIVE RATE |
|----------------|----------------|---------------------------|---------------------------|---------------------------|----------|---------------------|
| 0.00           | 41             | 0                         | 0                         | 8                         | 100.0000 | 100.0000            |
| 0.05           | 35             | 6                         | 4                         | 4                         | 85.3706  | 50.0000             |
| 0.10           | 34             | 7                         | 4                         | 4                         | 82.9306  | 50.0000             |
| 0.15           | 34             | 7                         | 5                         | 3                         | 82.9306  | 37.5000             |
| 0.20           | 33             | 8                         | 5                         | 3                         | 80.4938  | 37.5000             |
| 0.25           | 32             | 9                         | 5                         | 3                         | 78.0524  | 37.5000             |
| 0.30           | 32             | 9                         | 5                         | 3                         | 78.0524  | 37.5000             |
| 0.35           | 32             | 9                         | 5                         | 3                         | 78.0524  | 37.5000             |
| 0.40           | 31             | 10                        | 6                         | 2                         | 75.6125  | 25.0000             |
| 0.45           | 31             | 10                        | 6                         | 2                         | 75.6125  | 25.0000             |
| 0.50           | 31             | 10                        | 7                         | 1                         | 75.6125  | 14.2900             |
| 0.55           | 31             | 10                        | 7                         | 1                         | 75.6125  | 14.2900             |
| 0.60           | 30             | 11                        | 7                         | 1                         | 73.1720  | 14.2900             |
| 0.65           | 30             | 11                        | 8                         | 0                         | 73.1720  | 0.0000              |
| 0.70           | 28             | 13                        | 8                         | 0                         | 68.2900  | 0.0000              |
| 0.75           | 28             | 13                        | 8                         | 0                         | 68.2900  | 0.0000              |
| 0.80           | 26             | 15                        | 8                         | 0                         | 63.4134  | 0.0000              |
| 0.85           | 26             | 15                        | 8                         | 0                         | 63.4134  | 0.0000              |
| 0.90           | 26             | 15                        | 8                         | 0                         | 63.4134  | 0.0000              |
| 0.95           | 20             | 21                        | 8                         | 0                         | 48.7866  | 0.0000              |
| 1.00           | 20             | 21                        | 8                         | 0                         | 48.7866  | 0.0000              |

FIG. 16